

**Note:** Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.

- 1-1- The length of spinal cord is approximately ---- centimeter.
- (a) 10 (b) 20  
(c) 30 (d) 40 ✓
- 2- Which carnivores are called top carnivores?
- (a) Primary carnivores  
(b) Secondary carnivores  
(c) Tertiary carnivores ✓  
(d) Producers
- 3- Who was first to propose the mechanism of evolution?
- (a) Lamarck ✓ (b) Darwin  
(c) Buffon (d) Abu Rayhan
- 4- The appearance of drops of water on tips of leaves is called:
- (a) Guttation ✓ (b) Diffusion  
(c) Osmosis (d) Osmoregulation
- 5- How many hydrogen bonds are present between cytosine and guanine?
- (a) 2 (b) 3 ✓  
(c) 4 (d) 5



- 6- Which drugs include aspirin?  
(a) Addictive drugs  
(b) Drugs from bacteria  
(c) Drugs from plants  
(d) Synthetic drugs ✓
- 7- Which lobe of human brain is concerned with hearing and smell?  
(a) Frontal (b) Parietal  
(c) Occipital (d) Temporal ✓
- 8- Which cartilage is found in epiglottis and pinna?  
(a) Hyaline (b) Elastic ✓  
(c) Fibrous (d) Collagen
- 9- In how many days, rabbit's embryo develops into new offspring?  
(a) 20-22 days (b) 30-32 days ✓  
(c) 40-42 days (d) 50-52 days
- 10- When was the complete map of human genome published?  
(a) 1972 (b) 1982  
(c) 1992 (d) 2002 ✓
- 11- The amount of oxygen in expired air in human body is:  
(a) 10 % (b) 16 % ✓  
(c) 20 % (d) 36 %
- 12- All ecosystems of the world together form the:  
(a) Population (b) Community  
(c) Ecosystem (d) Biosphere ✓